1. Configuración del router

```
R1#configure terminal
R1(config)#interface ethernet 0/0
R1(config-if)#ip address 192.168.7.1 255.255.255.0
R1(config-if)#exit
R1(config)#
R1(config)#service dhcp
R1(config)#ip dhcp pool GIL
R1(dhcp-config)#network 192.168.7.0 255.255.255.0
R1(dhcp-config)#default-router 192.168.7.1
```

2. Activación del enlace DHCP en ambas PCs

```
PC1> ip dhcp
DORA IP 192.168.7.2/24 GW 192.168.7.1

PC2> ip dhcp
DORA IP 192.168.7.3/24 GW 192.168.7.1
```
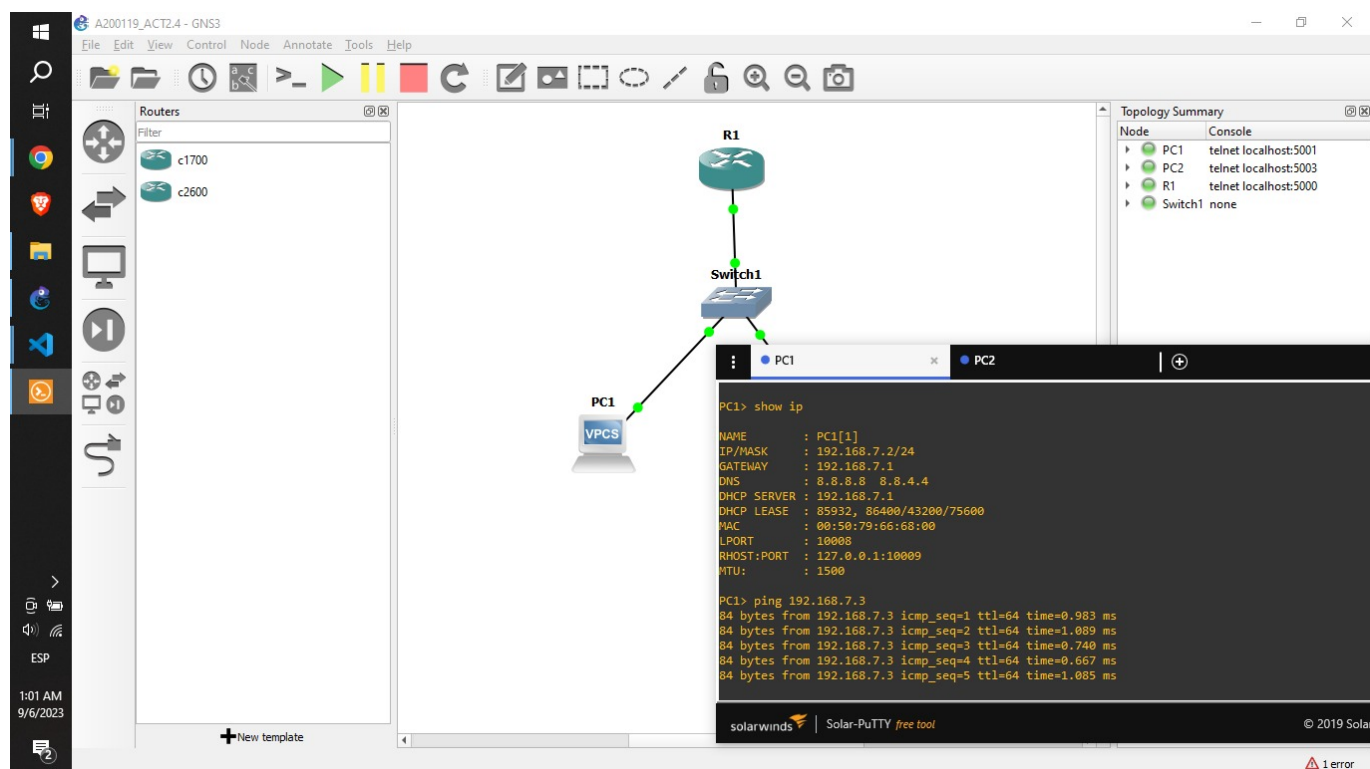
3. Comprobación de resultados

```
PC1> show ip

NAME : PC1[1]
IP/MASK : 192.168.7.2/24
GATEWAY : 192.168.7.1
DNS : 8.8.8.8 8.8.4.4
DHCP SERVER : 192.168.7.1
DHCP LEASE : 86243, 86400/43200/75600
MAC : 00:50:79:66:68:00
LPORT : 10008
RHOST:PORT : 127.0.0.1:10009
MTU: : 1500

PC1> ping 192.168.7.3
84 bytes from 192.168.7.3 icmp_seq=1 ttl=64 time=0.903 ms
84 bytes from 192.168.7.3 icmp_seq=2 ttl=64 time=0.879 ms
84 bytes from 192.168.7.3 icmp_seq=3 ttl=64 time=0.998 ms
84 bytes from 192.168.7.3 icmp_seq=4 ttl=64 time=0.596 ms
84 bytes from 192.168.7.3 icmp_seq=5 ttl=64 time=1.058 ms
```

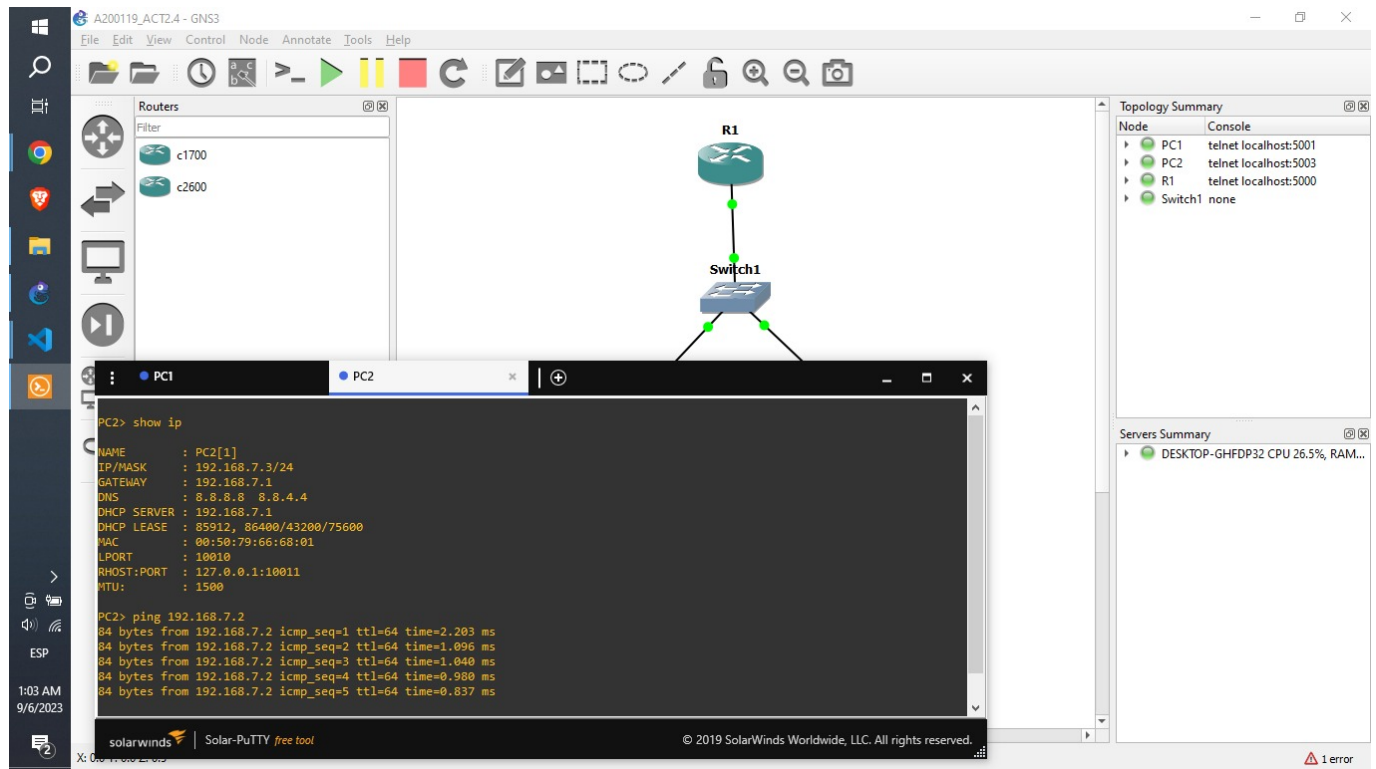Se **permite la comunicación** entre ambos equipos.


```
PC2> show ip

NAME : PC2[1]
IP/MASK : 192.168.7.3/24
GATEWAY : 192.168.7.1
DNS : 8.8.8.8 8.8.4.4
DHCP SERVER : 192.168.7.1
DHCP LEASE : 86303, 86400/43200/75600
MAC : 00:50:79:66:68:01
LPORT : 10010
RHOST:PORT : 127.0.0.1:10011
MTU: : 1500

PC2> ping 192.168.7.2
84 bytes from 192.168.7.2 icmp_seq=1 ttl=64 time=0.958 ms
84 bytes from 192.168.7.2 icmp_seq=2 ttl=64 time=1.134 ms
84 bytes from 192.168.7.2 icmp_seq=3 ttl=64 time=1.232 ms
84 bytes from 192.168.7.2 icmp_seq=4 ttl=64 time=0.539 ms
84 bytes from 192.168.7.2 icmp_seq=5 ttl=64 time=0.787 ms
```

Se **permite la comunicación** entre ambos equipos.

Carpeta de Github

https://github.com/Gilberto-Guzman/Conmutadores-Y-Redes-Inalambricas/tree/main/Act.%202.4%20Configuracion%20de%20DHCP%20en%20Router%20Cisco%20usando%20GNS3